



TOTAL INDOOR LIGHTING	3,149.29 KWH'S
TOTAL APPLIANCES	7,538.41 KWH'S
TOTAL NON STANDARD USE FOR ELECTRIC CAR	5.475
TOTAL HEATING/COOLING & DHW PRODUCTION	5.496
TOTAL ESTIMATED ANNUAL CONSUMPTION	21,658.7 kWh
TOTAL ESTIMATED ANNUAL PRODUCTION	17,867 KWH

NOTES & ASSUMPTIONS

[illegible]

The purpose of this questionnaire is to determine how much energy is used beyond the standard, in-home appliance use which includes the NZEN Standard Appliance Power Consumption Analysis, the NZEN NZEN Lighting Power Consumption and the power consumption from your HVAC design. This category includes things like well pumps, pool equipment, outdoor lighting, video games, fish tanks, other hobbies, etc. Please fill out the following chart and include appliance name, usage per week and approximate wattage.

[illegible]

*Outdoor power consumption is not considered unless specified by the owner.

[illegible]

*This is where any additions to the NZEN Standard Appliance Power Consumption Analysis will be specified by the owner.

[illegible]

*Hobbies Power Consumption will not be considered unless specified by the owner.

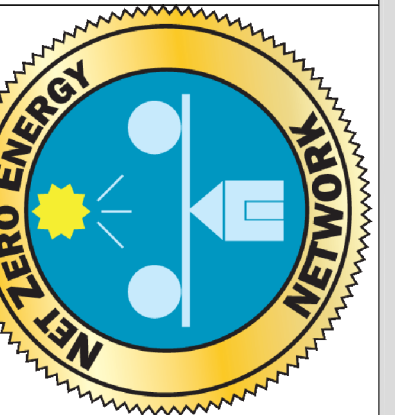
NZEN Standard Appliance Power Consumption						
Appliance	Peak Wattage	Ltg./Sq. Ft.	Ltg./Wattage	Sleep hrs/day	Wattage	hrs/day kwh/year
M Bedroom						
TV	227			4	3	20
Cable Box	30			24 x	x	
DVD	20			0.6	2.3	23.4
Stereo	70			2	3	22
Land Phone	4			24	0	0
Lamp x2	60			2	0	0
Charger x2	2.77			3	0	0
Clock	3			24	0	0
Lighting		312	1.00	1.10		
WTC Lighting		98	1.50	0.75		
M Bathroom						
Hairdryer	1500			0.25	0	0
Exhaust Fan	25			0.16	0	0
Lighting		140	1.50	1.80		
Bedroom 2						
Laptop	45			3	6	21
Stereo	70			2	3	22
Lamp	60			2	0	0
Charger	2.77			3	0	0
Clock	3			24	0	0
Lighting		220	1.00	1.10		
Bedroom 3						
Laptop	45			3	6	21
Stereo	70			2	3	22
Lamp	60			2	0	0
Charger	2.77			3	0	0
Clock	3			24	0	0
Lighting		244	1.00	1.10		
Bath 3						
Hairdryer	1500			0.25	0	0
Exhaust Fan	25			0.16	0	0
Lighting		50	1.50	1.80		
Hallway						
Lighting		112	1.00	1.80		
Bath 3						
Hairdryer	1500			0.25	0	0
Exhaust Fan	25			0.16	0	0
Lighting		53	1.50	1.80		
Office						
Computer	200			3	6	21
Printer	250			0.68	1.58	23.92
Land Phone	4			24	0	0
Ans Machine	5.23			0.15	3	23.85
coffee maker	850			0.33	1.2	23.6
Lighting		100	1.00	3.00		
Hallway						
Lighting		210	1.00	0.75		
Living Room						
Lighting		332	1.00	2.50		
Dining Room						
Lighting		442	1.00	2.50		



Kitchen	Refrigerator	X		24	X	X	728.0
	Microwave	1500		0.167	1.5	23.67	79.2
	Oven	3200		0.5	1.5	23.5	596.9
	Dishwasher	1275		1	1.6	23	478.8
	coffee maker	850		0.33	1.2	23.6	112.7
	Toaster	1700		0.0833	0	0	51.7
	Disposal	400		0.01	2.3	23.99	21.6
	Compressor	450		0.05	2	23.95	25.7
	Clock	3		24	0	0	26.3
	Range Hood	185		1	0	0	67.5
Lighting	338	1.50	3.00			555.17	
Family Room							
TV	270		4	3	20	416.1	
Cable Box	30		24	0	0	262.8	
DVD	20		0.6	2.3	23.4	24.0	
Stereo	70		2	3	22	75.2	
Computer	200		3	6	21	265.0	
Printer	250		0.08	1.58	23.92	21.1	
Land Phone	4		24	0	0	35.0	
Ans Machine	5.23		0.15	3	23.85	26.4	
Clock	3		24	0	0	26.3	
Lighting	332	1.50	2.50			454.43	
Hallway							
Lighting	149	1.00	0.75			40.79	
Laundry							
Washer	500	12	1.00	1.95	3	22.05	380.0
Dryer	2500	734	1.00	1.29	3	22.71	1202.0
Lighting		88	1.00	1.00			32.12
Bedroom 3							
Laptop	45		3	6	21	95.3	
Stereo	70		2	3	22	75.2	
Lamp	60		2	0	0	43.8	
Charger	2.77		3	0	0	3.0	
Clock	3		24	0	0	26.3	
Lighting	198	1.00	1.10			79.50	
Bath 3							
Hairdryer	1500		0.25	0	0	136.9	
Exhaust Fan	25		0.16	0	0	1.5	
Lighting	76	1.50	1.80			74.90	
Pantry							
Lighting	50	1.00	0.50			9.13	
Garage							
Lighting	567	1.00	0.75			155.22	
Game Room							
Lighting	335	1.00	0.75			91.71	
Utility Room							
Lighting	52	1.00	0.10			1.90	
Tool Shed							
Lighting	90	1.00	0.10			3.29	
Garage							
Lighting	836	1.00	0.13			38.14	
Bath							
Exhaust Fan	25		0.16	0	0	1.5	
Lighting	76	1.50	1.80			74.90	
Total:							10687.7

1 POWER CONSUMPTION

REVISIONS:	BY:
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TOMLIN RESIDENCE
CARMEL VALLEY, CA

PROJECT:

NET ZERO ENERGY POWER CONSUMPTION WORKSHEET

DRAWN: MEG

CHECKED:

DATE: 4/15/13

SHEET:

NZEO.1

SHEET OF SHEETS